

Coloring composition for skin and keratin fibers, comprises color precursor and catalytic system containing salts or oxides of manganese and-or zinc and alkaline hydrocarbonates**Publication number:** FR2814943**Publication date:** 2002-04-12**Inventor:** PRUCHE FRANCIS**Applicant:** OREAL (FR)**Classification:**

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- European: **A61Q19/04; A61K8/02; A61K8/19; A61K8/27; A61K8/34F; A61K8/44; A61K8/49H; A61K8/60; A61K8/97; A61Q5/10; A61Q17/04**

Application number: FR20000012894 20001009**Priority number(s):** FR20000012894 20001009**[Report a data error here](#)****Abstract of FR2814943**

Coloring composition for skin and/or keratin fibers contains at least one color precursor and a catalytic system whose first component is selected from salts and oxides of bivalent manganese and/or zinc, and second component is chosen from alkaline and alkaline earth hydrocarbonates and their mixtures. Coloring composition for skin and/or keratin fibers contains: (1) at least one color precursor selected from compounds having at least one aromatic ring of which at least two consecutive C atoms carry hydroxyl groups; and (2) a catalytic system whose first component is selected from salts and oxides of bivalent manganese and/or zinc, and second component is chosen from alkaline and alkaline earth hydrocarbonates and their mixtures. First and second component of catalytic system are taken in such proportions that $(\text{Mn(II)})/(\text{HCO}_3)$ is up to 1, when (Mn(II)) is not 0; $(\text{Zn(II)})/(\text{HCO}_3)$ is up to 1 when (Zn(II)) is not 0; and $(\text{Mn(II)}) + (\text{Zn(II)})/(\text{HCO}_3)$ is up to 1 when neither of (Mn(II)) and (Zn(II)) is 0, with (Mn(II)) , (Zn(II)) and (HCO_3) representing respectively molar concentrations of Mn(II) , Zn(II) and (HCO_3) in the composition. Independent claims are also included for (1) the process of revealing coloration of weakly colored or colorless base composition comprising, in physiologically acceptable medium, at least one color precursor selected from compounds having at least one aromatic ring of which at least two consecutive C atoms carry hydroxyl groups, by adding to this composition, in presence of oxygen, a sufficient amount of catalytic system as described above, and placing the mixture in oxygen containing medium; (2) process of production of colorant composition, comprising adding to water a tablet comprising, in physiologically acceptable excipient, at least one color precursor as defined above, alkaline or alkaline earth hydrocarbonate, and optionally at least one Mn(II) and/or Zn(II) in appropriate quantities if water does not contain Mn(II) and/or Zn(II) in required proportion; (3) process of production of colorant composition comprising adding to water a tablet containing at least one color precursor as defined, and a tablet containing catalytic system as described above, both in physiologically acceptable excipients; and (4) process of coloration of skin and/or keratin fibers by application of layer of composition as claimed.

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